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Item # 1
Alex Aleynik
Method of Denture Fixation

Method of Denture Fixation.

This invention provides a unique, convenient, nontoxic, and durable method of denture fixation. The denture glue Fixodent is a patented invention in the form of a powder. Fixodent forms a partial vacuum between dentures and the gum line, providing a temporary hold. This feature of Fixodent is its simultaneous advantage and disadvantage, because the glue is hard to apply, and must be removed and then reapplied between denture cleanings. Other denture creams like Cushion Grip are too complex to use and only provide an adequate hold for one day. Cement adhesives are irritating to the gum line, and often fail to produce the necessary vacuum. The cement adhesive Airex-C manufactured by Nori Bond makes self-application by the patient very difficult. There is another denture creme line Lakalum Dentipur HAFTtorte, manufactured by Arkam Germany, but not a single one of these cremes can create adequate prolonged fixation and easy removal during cleaning.

The goal of my method is to provide a nontoxic, non-irritating, easily removable, light, and reliable denture fixation that accurately copies the contours of the patient's gum line. The lifetime of the denture liner extends for 25-30 days, allowing for frequent cleaning with toothbrush and toothpaste without loss of fixating properties.

The goal of my method is achieved through a special patent-pending solution which is part thermoplastic denture adhesive (Cushion Grip denture adhesive works best) and part highly concentrated alcohol solvent (70% isopropyl alcohol solvent works best). This solution is prepared by dissolving thermoplastic denture adhesive in highly concentrated alcohol the solution obtains a syrup-like consistency. Then the solution is applied to both sides of the denture liner, (SEA-BOND denture liners work best), the liner is inserted into the denture, the denture is mounted on the gum line, strongly pressed into gum line with hands, and then later held down with jaws. Once the lining is exposed to saliva it turns into a very thin elastic veneer that custom fits the contours of the patients gum line and provides fixation due to the formation of a vacuum between the gum line and the denture. My method provides non-irritating durable denture fixation that accurately copies the contours of the patients gum line and holds dentures for 25-30 days without losing potency during repeated toothpaste and toothbrush cleanings that occur between meals. No reapplication of patent-pending solution or use of a different denture liner is necessary within this 25-30 day period.

Method Formula

Method of denture fixation using SEA-BOND liners unique due to a formation of a vacuum and a thin, elastic, non-toxic veneer adhering to the gum line and the denture via the use of special solution (prepared by dissolving thermoplastic denture adhesive in highly concentrated alcohol until the solution obtains the constituency of a syrup) in presence of saliva.

Then the denture is mounted on the gum line. Once the denture comes in contact with saliva, the patent-pending mixture turns into an elastic veneer. It is important to note that the denture can be self-applied and once it is in place it can be washed, and cleaned with a toothbrush without losing its effectiveness. My method is unique because it is non-irritating, makes dentures easily removable, and holds dentures for up to 30 days without losing potency after repeated cleanings with toothpaste and toothbrush

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